

AMENDMENTS TO THE CLAIMS

① (currently amended): A communication line control method comprising:

~~a step of providing one communication terminal device incorporating communication functions containing voice communications and data communications, and including a line control unit and a distributed control module; accommodating a plurality of communication lines connected to a network;~~

~~a step of providing a distributed control module for utilizing the plurality of communication lines on said communication terminal device; and~~

~~a step of causing, if a plurality of calls occur on a plurality of lines that should be simultaneously processed in said communication terminal device, said distributed control module to process only a specified call as a control target among the plurality of calls on the basis of condition data preset in a line control unit without being aware of the plurality of communication lines.~~

determining, if there occurs a plurality of calls that should be simultaneously processed on a plurality of communication lines connected to a network, a specified call as a control target call among the plurality of calls on the basis of preset condition data in said line control unit; and

processing only the specified call determined by said line control unit without being aware of the plurality of communication lines in said distributed control module.

→ ② (currently amended): A communication line control method comprising:

~~a step of~~ providing a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, and accommodating a plurality of communication lines connected to a network;

~~a step of~~ providing a centralized management communication terminal device;

~~a step of~~ causing, if said plurality of communication terminal devices are capable of controlling the same call through communication lines corresponding thereto, a line control unit of said centralized management communication terminal device to notify of a state of the call a specified communication terminal device among said plurality of communication terminal devices and to acknowledge the control by said specified communication terminal device so that only said specified communication terminal device as a control-acknowledged terminal device processes the same call on the basis of condition data; and

~~a step of~~ causing a distributed control module of the specified communication terminal device to avoid a conflict about the same call between said plurality of communication terminal devices that utilize the communication lines.

→ β.(currently amended): A communication line control method according to claim 1 or 2, further comprising:

~~a step of~~ notifying said line control unit of a change in state by an indication given from said distributed control module with respect to the call of which said line control unit notifies said distributed control module;

~~a step of~~ changing the condition data about the call control in said line control unit; and

~~a step of~~ changing a control target condition and a notifying target condition with respect to the plurality of calls.

→ 4. (currently amended): A communication line control method comprising:

~~a step of~~ providing a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, accommodating a plurality of communication lines connected to a network, and capable of controlling an arbitrary call;

~~a step of~~ causing, if said plurality of communication terminal devices forming a plurality of groups and when a control request with respect to a specified call is made on an arbitrary communication terminal device within one group or when a state of the call changes, a line control unit of said arbitrary communication terminal device to give broadcasting notifications of a change in control reservation state with respect to the specified call to said line control units of said plurality of communication terminal devices within other groups;

~~a step of~~ causing said line control unit of said arbitrary communication terminal device, after receiving acknowledgements about the control reservation state from said line control units, having received the broadcasting notifications, of said communication terminal devices within other groups, to give a right of control of the call to a distributed control module of said arbitrary communication terminal device that utilizes the communication lines; and

~~a step of~~ causing said distributed control module of said arbitrary communication terminal device to execute exclusive control between said communication terminal devices within other groups by unifying the states about the specified call between said communication terminal devices of other groups without being aware of the communication lines.

→ 5.(currently amended): A communication line control method comprising:

~~a step of~~ providing a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, accommodating a plurality of communication lines connected to a network, and capable of controlling an arbitrary call;

~~a step of~~ setting one arbitrary communication terminal device as a centralized management communication terminal device of which a line control unit manages in centralization said other communication terminal devices;

~~a step of~~ allocating, when controlling a specified call by said other communication terminal devices, a right of control to said other communication terminal devices by said centralized management communication terminal device on the basis of preset condition data; and

~~a step of~~ causing a distributed control module of said arbitrary communication terminal device to execute exclusive control between said other communication terminal devices that utilize the communication by unifying the states about the specified call between said other communication terminal devices without being aware of the communication lines.

(6).(currently amended): A communication line control method according to claim 4 or 5, further comprising:

~~a step of~~ monitoring a processing load within the self communication terminal device and a load on the communication line in said line control unit of each of said

communication terminal devices or in said line control unit of said centralized management communication terminal device; and

~~a step of~~ managing a plurality of calls by switching over a mode of the line control in said line control unit of each of said communication terminal devices or in said line control unit of said centralized management communication terminal device on the basis of the condition data preset corresponding to a state of this load.

7. (currently amended): A communication line control method comprising:

~~a step of~~ providing a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, and accommodating a plurality of communication lines connected to a network;

~~a step of~~ notifying, if there occurs a change in state of one arbitrary communication terminal device, of this state said (line control unit) of said other communication terminal device from an interface of said one arbitrary communication terminal device that has a function of operating with an independent power supply;

~~a step of~~ updating a condition table in said line control unit of said other communication terminal device; and

~~a step of~~ executing the line control related to said communication terminal device exhibiting the change in state.

8. (original): A communication line control system comprising:

a communication terminal device incorporating communication functions containing voice communications and data communications,

said communication terminal device including:

a line control unit for determining, if there occur a plurality of calls that should be simultaneously processed on a plurality of communication lines connected to a network, a specified call as a control target call among the plurality of calls on the basis of preset condition data; and

a distributed control module for processing only the specified call determined by said line control unit without being aware of the plurality of communication lines.

→ 9.(original): A communication line control system comprising:

a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, and accommodating a plurality of communication lines connected to a network; and

a centralized management communication terminal device including a line control unit for determining, if said plurality of communication terminal devices are capable of controlling the same call through corresponding communication lines, a specified communication terminal device as a control-assigned terminal device among said plurality of communication terminal devices with respect to the same call on the basis of preset condition data, and notifying said specified communication terminal device of a state of the call and acknowledging the control thereof so that only said specified communication terminal device processes the same call.

→ 10.(original): A communication line control system comprising:

a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, accommodating a plurality of communication lines connected to a network, and capable of controlling an arbitrary call;

wherein if said plurality of communication terminals form a plurality of groups and when a control request with respect to a specified call is made on an arbitrary communication terminal device within one group or when a state of the call changes, a line control unit of said arbitrary communication terminal device gives broadcasting notifications of a change in control reservation state with respect to the specified call to said line control units of said plurality of communication terminal devices within other groups,

said line control unit of said arbitrary communication terminal device, after receiving acknowledgements about the control reservation state from said line control units, having received the broadcasting notifications, of said communication terminal devices within other groups, gives a right of control of the call to a distributed control module of said arbitrary communication terminal device that utilizes the communication lines, and

said distributed control module thus executes exclusive control between said communication terminal devices within other groups.

→ 11.(original): A communication line control system comprising:

a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, accommodating a

plurality of communication lines connected to a network, and capable of controlling an arbitrary call,

wherein when a line control unit of one arbitrary communication terminal device manages in centralization said other communication terminal devices, said centralized management communication terminal device allocates, in the case of controlling a specified call by said other communication terminal devices, a right of control to said other communication terminal devices on the basis of preset condition data, and

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a distributed control module of said arbitrary communication terminal device utilizing the communication lines executes exclusive control between said communication terminal devices by unifying the states about the specified call between said other communication terminal devices without being aware of the communication lines.

(12.(original): A communication line control system comprising:

a plurality of communication terminal devices each incorporating communication functions containing voice communications and data communications, and accommodating a plurality of communication lines connected to a network;

wherein if there occurs a change in state of one arbitrary communication terminal device, an interface of said one arbitrary communication terminal device that has a function of operating with an independent power supply gives a notification of a state to line control units of said other communication terminal devices,

condition tables are updated in said line control units of said other communication terminal devices, and

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cancel.* the line related to said communication terminal device exhibiting a change in state is controlled.
